



US006011547A

**United States Patent [19]**  
Shiota et al.

[11] Patent Number: **6,011,547**  
[45] Date of Patent: **Jan. 4, 2000**

[54] **METHOD AND APPARATUS FOR REPRODUCING IMAGE FROM DATA OBTAINED BY DIGITAL CAMERA AND DIGITAL CAMERA USED THEREFOR**

[75] Inventors: **Kazuo Shiota**, Tokyo; **Norihisa Haneda**, Saitama-ken; **Shigekazu Fukada**, Tokyo; **Kazuhiko Takemura**, Kanagawa-ken, all of Japan

[73] Assignee: **Fuji Photo Film Co., Ltd.**, Kanagawa, Japan

[21] Appl. No.: **08/956,033**

[22] Filed: **Oct. 22, 1997**

[30] **Foreign Application Priority Data**

Oct. 22, 1996 [JP] Japan ..... 8-279205  
Apr. 1, 1997 [JP] Japan ..... 9-082897

[51] Int. Cl.<sup>7</sup> ..... **G06T 5/00**

[52] U.S. Cl. ..... **345/327; 382/261**

[58] **Field of Search** ..... **345/327. 328. 345/326. 340. 329-339. 341-348; 395/114-117; 382/261-263**

[56] **References Cited**

**U.S. PATENT DOCUMENTS**

4,209,853	6/1980	Hyatt .....	367/8
5,499,294	3/1996	Friedman .....	380/10
5,552,824	9/1996	De Angelis et al. ....	348/157
5,696,850	12/1997	Parulski et al. ....	382/261
5,768,633	6/1998	Allen et al. ....	396/2

*Primary Examiner*—Steven P. Sax

[57] **ABSTRACT**

When a picture image recorded by a digital camera is reproduced, a high quality picture image is immediately reproduced without repetitive test prints for enhancing a picture quality or repetitive minor adjustments based on a confirmation via a monitor. Recording is carried out by a digital camera having a function of adding recording information representing a recording condition (a recording information adding unit) to digital image data obtained by the recording. A set-up processing unit in an image reproducing apparatus carries out image processing on the image data obtained by the recording for enhancing a picture quality using the recording information added to the image data, and the image reproducing apparatus reproduces the image data in the form of a print or a display on a monitor.

**19 Claims, 1 Drawing Sheet**

